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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:) Examiner: To be Assigned
Tina ETCHEVERRY, et al.) Art Unit: To be Assigned
Application Serial No. To be Assigned) Parent Serial No. 09/705,285
Filed: Herewith) Parent Filed: November 1, 2000
For: MAMMALIAN CELL CULTURE PROCESS) Attorney's Docket No. 21657-0002 C2
) Customer No. 25213

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents — Mail Stop New Patent Application
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Applicants wish to bring to the attention of the Patent Office the references listed on the attached Form PTO-1449 and request that they be considered by the Examiner. Each of the references listed on the attached Form PTO-1449, was previously cited by or submitted to the PTO in prior Application Serial No. 09/705,285, filed November 1, 2000, therefore copies are not enclosed.

This Information Disclosure Statement is being filed under 37 C.F.R. §1.97(b)(3), therefore no fee is due. The Commissioner is authorized to charge any fees which may be required under 37 CFR §1.16 or §1.17, to Deposit Account No. 08-1641, referencing Attorney's Docket No. 21657-0002 C2.

Respectfully submitted,

Date: July 6, 2004

By: 

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IRM PTO-1449

U.S. Dept. of Commerce
Patent and Trademark OfficeAtty Docket No.
21657-0802 C2Serial No.
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LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant
Etcheverry et al.Filing Date
HerewithGroup
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U.S. PATENT DOCUMENTS

Serial Number	Document Number	Date	Name	Class	Subclass	Filing Date
1	4,724,206	09.03.88	Rupp et al.			
2	5,096,816	17.03.92	Maiorella			
3	5,122,469	16.06.92	Mather et al.			
4	5,151,359	29.09.92	Miyahara et al.			

FOREIGN PATENT DOCUMENTS

Serial Number	Document Number	Date	Country	Class	Subclass	Translation Yes	No
5	0,307,247	15.03.89	EPO				
6	0,481,791 A2	22.04.92	EPO				
7	387,840	19.09.90	EPO				
8	1-257492	13.10.89	JAPAN				
9	WO 89/04867	01.06.89	PCT				
10	2,251,249	01.07.92	UNITED KINGDOM				
11	GB 2,122,207	11.01.84	UNITED KINGDOM				

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

12	Andersen et al., "The Effect of Ammonium Ion on the O-Linked Glycosylation of Granulocyte Colony-Stimulating Factor Produced by CHO Cells" <u>Abstracts of Papers, American Chemical Society</u> pps. 169 (1993)
13	Borys et al., "Ammonia Affects the Glycosylation Patterns of Recombinant Mouse Placental Lactogen-I By Chinese Hamster Ovary Cells in a pH-Dependent Manner" <u>Biotechnology and Bioengineering</u> 43:502-514 (1994)
14	Borys et al., "Culture pH Affects Expression Rates and Glycosylation of Recombinant Mouse Placental Lactogen Proteins by Chinese Hamster Ovary (CHO) Cells" <u>Bio/Technology</u> 11:720-724 (1993)
15	Chotigeat et al., "Role of Environmental Conditions on the Expression Levels, Glycoform Pattern and Levels of Sialyltransferase for hFSH Produced by Recombinant CHO cells" <u>Cytotechnology</u> 15:217-221 (1994)
16	Cox et al., "Effect of Media Composition on the Induction of Chorionic Gonadotropin by Sodium Butyrate in HeLa Cells" <u>In Vitro</u> 19(1):1-6 (1983)
17	Curling et al., "Recombinant Human IFN-γ Produced by CHO Cells: Effects of Culture Environment on Product Quality" <u>Harnessing Biotechnology for the 21st Century</u> pps. 308-310 (1992)
18	D'Anna et al., "Concentration-Dependent Effects of Sodium Butyrate in Chinese Hamster Cells: Cell-Cycle Progression, Inner-Histone Acetylation, Histone H1 Dephosphorylation, and Induction of an H1-like Protein" <u>Biochemistry</u> 19:2656-2671 (1980)
19	Engelmann et al., "Effect of Sodium Butyrate on Primary Cultures of Adult Rat Hepatocytes" <u>In Vitro Cellular & Developmental Biology</u> 23(2):86-92 (1987)
20	Exley et al., "Monoclonal antibody to TNF in severe septic shock" <u>Lancet</u> 335:1275-1276 (1990)
21	Forman et al., "Control of Osmolality in Mammalian Cell Cultures: Reduction of Lactic Acid Accumulation Throughout On-line Control of Glucose Concentration" <u>Abstracts of Papers, American Chemical Society, 207th ACS National Meeting</u> pps. 135 (1994)
22	Garcia-Perez et al., "Molecular Cloning of cDNA Coding for Kidney Aldose Reductase" <u>Journal of Biological Chemistry</u> 264(28):16815-16821 (1989)

Examiner

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 2 of 4

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OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

23	Gawlitczek et al., "Changes in the Glycosylation Pattern of Recombinant Proteins Effected by Defined Culture Conditions of BHK-21 Cells" <u>Animal Cell Technology</u> pps. 649-651 (1989)
24	Gooch et al., "Bioprocess Factors Affecting Glycoprotein Oligosaccharide Structure" <u>DNA and Cell Biology</u> 76:95-104 (1992)
25	Gooch et al., "Environmental Effects on Protein Glycosylation" <u>Bio/Technology</u> 9:421-427 (1991)
26	Gooch et al., "The Oligosaccharides of Glycoproteins: Bioprocess Factors Affecting Oligosaccharide Structure and Their Effect on Glycoprotein Properties" <u>Bio/Technology</u> 9:1347-1355 (1991)
27	Gooch et al., "The Oligosaccharides of Glycoproteins: Factors Affecting Their Synthesis and Their Influence on Glycoprotein Properties" <u>Frontiers in Bioprocessing II</u> pps. 199-240 (1992)
28	Corman et al., "Expression of Recombinant Plasmids in Mammalian Cells is Enhanced by Sodium Butyrate" <u>Nucleic Acids Research</u> 11(21):7631-7648 (1983)
29	Gramer et al., "Potential for degradation of glycoprotein oligosaccharides by extracellular glycosidases" <u>Am. Chem. Soc. (Abstract, 203rd Meeting, San Francisco, CA) PT 1:BIOT-71</u> (April 5, 1992)
30	Hagopian et al., "Effect of n-Butyrate on DNA Synthesis in Chick Fibroblasts and HeLa Cells" <u>Cell</u> 12:855-860 (1977)
31	Hart, "Glycosylation" <u>Current Opinion in Cell Biology</u> 4:1017-1023 (1992)
32	Heyter et al., "Glucose-Limited Chemostat Culture of Chinese Hamster Ovary Cells Producing Recombinant Human Interferon-γ" <u>Biotechnology and Bioengineering</u> 39:327-335 (1992)
33	Hearling et al., "Isolation of Chinese Hamster Ovary Cell Lines Temperature Conditional for the Cell-Surface Expression of Integral Membrane Glycoproteins" <u>The J. of Cell Biology</u> 108:339-353 (1989)
34	Howard et al., "Soluble Tumor Necrosis Factor Receptor: Inhibition of Human Immunodeficiency Virus Activation" <u>Proc. Natl. Acad. Sci. USA</u> 90:2335-2339 (1993)
35	Huang et al., "On-line determination of glucose concentration throughout animal cell culture: based on chemiluminescent detection of hydrogen peroxide coupled with flow-injection analysis" <u>Journal of Biotechnology</u> 18:161-162 (1991)
36	Klehr et al., "Scaffold-Attached Regions (SAR Elements) Mediate Transcriptional Effects Due to Butyrate" <u>Biochemistry</u> 31:3222-3229 (1992)
37	Kobata et al., "Structures and Functions of the Sugar Chains of Glycoproteins" <u>European Journal of Biochemistry</u> 209:483-501 (1992)
38	Le Gros et al., "The Effects of Sodium Butyrate on Lymphokine Production" <u>Lymphokine Research</u> 4(3):221-227 (1985)
39	McClure et al., "Glucose Requirement for Induction by Sodium Butyrate of the Glycoprotein Hormone α Subunit in HeLa Cells" <u>Archives of Biochemistry & Biophysics</u> 233(1):93-105 (1984)
40	Milhaud et al., "Sodium Butyrate Affects Expression of Fibronectin on CHO Cells: Specific Increase in Antibody-Complement-Mediated Cytotoxicity" <u>J. Cellular Physiology</u> 104(2):163-170 (1980)
41	Mizutani et al., "High Glucose and Hyperosmolarity Increase Platelet-derived Growth Factor mRNA Levels in Cultured Human Vascular Endothelial Cells" <u>Biochemical and Biophysical Research Communications</u> 187(2):664-669 (1992)
42	Osturk et al., "Effect of Medium Osmolarity on Hybridoma Growth, Metabolism, and Antibody Production" <u>Biotechnology and Bioengineering</u> 37:989-993 (1991)

Examiner

Date Considered

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